BSC 307 Science Literacy Lesson Plan Form

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| Title: “To use Stem Cells, or to not, that is the Question”- Stem Cell Debate | Grade Level:  11-12 |
| Objectives:  TSWBAT defend and justify their side of the debate.  TSWBAT analyze information given to them for their specific side and critique information about both sides. | |
| Illinois State Learning Standards: Stage I: 13 B: 1 | |
| Science Literacy Skills:  Pose and evaluate arguments based on evidence and apply conclusions from such arguments appropriately. | |
| Activity Description: The class will be split into two groups: one for stem cell research and the other against it. The students will have completed a worksheet the night before with various questions about stem cells and ethics that they will use to help when responding to questions asked during the debate. After the debate is completed, students will be write an evaluation of how the debate went, share the topics and responses they found to be the most interesting and explain why they feel that way. | |
| Assessment Strategies: Participation during the debate in class and the write up they complete for homework and turn in the following class period. | |
| Rationale: It is important for students to evaluate information before coming to a decision, because there are always two sides to a story. Much bias can occur when discussing certain issues, so the debate allows the students to see both sides and understand the reasoning behind both. This understanding is a useful tool they can take with them throughout life. | |
| Resources:  Illinois State Board of Education. (1997). Illinois State Learning Standards. [On- line]. Retrieved on March 23, 2011. Available: <http://www.isbe.net/ils/Default.htm>. | |

\* Please attach any and all handouts/worksheets to this lesson plan

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

“To use Stem Cells, or to not, that is the Question”- Stem Cell Debate

Complete the questions listed below. Remember to bring this to class to use for the stem cell debate.

1. What are stem cells and why are they so important?

2. Are they’re different types of stem cells? If yes, what are they?

3. Explain the difference between embryonic and adult stem cells. Why is this of concern to people?

4. How does religion play a role in the stem cell debate? Society? The government?